

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

Claims 1-10 (canceled)

Claim 11 (previously added) A process of emulsifying alkenyl succinic anhydride size comprising blending an alkenyl succinic anhydride and a starch grafted cationic acrylamide co-polymer under conditions sufficient to form an emulsion, wherein said grafted cationic co-polymer comprises a reaction product of starch, acrylamide, and a diallyldialkyl ammonium halide.

Claim 12 (previously added) The process of claim 11 wherein said alkenyl succinic anhydride is mixed with a surfactant prior to forming said emulsion.

Claim 13 (previously added) The process of claim 12 wherein said surfactant is sodium dioctyl sulfosuccinate.

Claim 14 (previously added) The process of claim 11 wherein said starch grafted cationic acrylamide co-polymer comprises from about 10 to about 90 wt% of a starch monomer and from about 10 to about 90 wt% of an acrylamide monomer, based on the total weight of starch and acrylamide.

Claim 15 (previously added) The process of claim 14 wherein said starch grafted cationic acrylamide co-polymer comprises from about 25 to about 75 wt% of said starch monomer and from about 25 to about 75 wt% of said acrylamide monomer, based on the total weight of starch and acrylamide.

Claim 16 (previously added) The process of claim 11, wherein said alkenyl succinic anhydride and said starch grafted cationic acrylamide co-polymer are blended at a weight ratio of starch grafted cationic acrylamide to alkenyl succinic anhydride of from about 0.01:1 to about 1:1.

Claim 17 (previously added) The process of claim 16 wherein said weight ratio is from about 0.02:1 to about 0.2:1.

Claim 18 (previously added) An emulsified alkenyl succinic anhydride size produced by the process of claim 11.

Claim 19 (previously added) The process of claim 11 wherein the diallyldialkyl ammonium halide is diallyldimethyl ammonium chloride.